

The Resonator Variant of the Helical Waveguide
Method for Measuring the Permittivity of a Sub-
stance at Ultra-High Frequencies, by I. P. Yatsuk,
V. P. Shestopalov, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXII, No 1,
1962, pp 119-126.

AIP

Sov Phys - Tech Phys
Vol VII, No 1

Sci
Aug 62

206,843

(NY-7093)

Assymetrical Electromagnetic Waves in a Helical
Waveguide With Longitudinally Magnetized
Ferrite, by V. P. Shestopalov, I. P. Yakimenko,
V. Plokhoy, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO, SSR,
Radiofizika, Vol V, No 1, 1962.

JPRS 14,515

Sci

Jul 62

203,899

(NY-7093)

Propagation of π Asymmetrical Electromagnetic
Waves in a Plasma Rod and Their Radiation, by
V. P. Shestopalov, I. P. Yakimenko, V. D. Fil',
7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO, SSR,
Radiofizika, Vol V, No 1, 1962.

JPRS 14,515

Sci

203,898

(NY-6498)

Helical Waves in a Helical Waveguide, by
V. P. Shestopalov, A. I. Adonin, 20 pp.

RUSSIAN, per, Iz VUZ, MVO, Radiofiz,
Vol IV, No 4, 1961.

JPRS 12990

Sci
Apr 62

189, 9:17

Coaxial Bifilar Contra-Wound Helix Immersed in a
Magneto-Dielectric Medium, by V. P. Shestopalov,
A. A. Bulgakov, 8 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VI, No 1,
1961, pp 92-100.

AIEE

Sci

170,290

Oct 61

Methods of Measuring Dielectric Constants of
Substances at Microwave Frequencies, by V. P.
Shestopalov, K. P. Yatsuk, 20 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXIV, 1961,
pp 721-.

AIP
Sov Phys - Uspekhi
Vol IV, No 4

Sci - Phys

Mar 62

188,466

Electron Beam in a Helix with Anisotropic
Dielectric, by V. P. Shestopalov, V. A.
Glyusarskiy, 8 pp.

RUSSIAN, per, Radiotekh i Elektron, No 3,
1962.

AIMS

Sci

Dec 62

218,213

(NY-0489/REC)

Electron Beam in a Coaxial Spiral Line With an
Anisotropic Magnetodielectric Medium, by
V. P. Shestopalov, B. V. Kondrat'ev,
V. A. Silyasarsky, 15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVSBO,
Ser Radiotekh, Vol IV, No 2, 1961, pp 155-164.

JPRS 11075

175, 838

Sci
Dec 61

Slow Electromagnetic Waves in Helix Wave-
guides with a Gyrotropic Medium, by V. P.
Sheshopalov, L. A. Shishkin, 4 p.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 10,
1959, pp 1285-1288.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 10, 1960

Sci
May 60

116,143

Diffraction of Electromagnetic Waves Obliquely
Incident on a π -Plane Metallic Grating With a
Dielectric Layer, by A. I. Adonina, V. P. Shestopalov,
8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXIII, No 6, 1963,
pp 63641-651.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol VIII, No 6

Sof -
Dec 63

244,106

Dispersion Properties for a Helix in a Ferrite
Medium, by V. P. Shestopalov, L. I. Spol'nik,
11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 1, 1960,
pp 3-14.

AIP
Sov Phys - Tech Phys
Vol V, No 1

Sci
Aug 60

124,490

(SF-1880)

The Propagation of Electromagnetic Waves in a
Modified Contra-Wound Helical Coil Placed in a
Cylindrical Waveguide, by S. S. Kalmykova, S. S.
Tret'yakova, V. P. Shestopalov, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Energet i Avtomat, No 2, 1961, pp 159-164.

JPRS 4834

502

166, 240

Sci - Phys

Sep 61

Dispersion Properties and Space Resonance in a
Helical Waveguide Located in a Magnetodielectric
Medium, by V. P. Shestopalov, 20 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol X, No 4,
1960, pp 605-620.

PP

164,4-9.8

Sci

Aug 61

Slow Waves in a Spiral Waveguide With a Plasma,
by B. M. Bulgakov, V. P. Shestopalov, L. A.
Shishkin, 11 pp.

RUSSIAN, per, Zhur Tshh Fiz, Vol XXX, No 7,
1960, pp 840-850.

AIP
Sov Phys-Tech Phys
Vol V, No 7

Sci

142,439

A Study of Delay Systems of Types Combining a
Spiral With an Anisotropic Dielectric or a
Spiral With a Ribbed Structure. II, by V. P.
Shestopalov, A. V. Alyasarskiy, K. P. Yatsuk,
5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 7, 1960,
pp 835-839.

AIP
Sov Phys-Tech Phys
Vol V, No 7

142,438

Sci
Mar 61

A Qualitative Analysis of the Dispersion Equations
of Some Periodic Structures of the Cylindrical Type,
by V. P. Shestopalov, O. A. ~~XXXXXXXXXX~~ Tret'yakov,
6 pp.

RUSSIAN, per, Zhur Tekh, Fiz, Vol XXXI, No 11,
1961, pp 1379-1387.

AIP
SOV Phys - Tech Phys
Vol VI, No 11

Sci
Sep 62

210,400

Propagation of Electromagnetic Waves in Retarding
Systems Consisting of Spiral Plus Dielectric,
by B. M. Bulgakov, V. P. Shestopalov, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 1,
1958, pp 188-201.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol XII, No 1

Sci - Phys

Sep 58

74, 026

Use of Slow Surface Waves to Measure the Dielectric
Susceptibility of Materials at Ultra-High Frequencies,
II, by V. P. Shestopalov, K. P. Yatsuk, 9 p.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 9, 1959,
pp 1090-1099.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 9

^C
841 Apr 60

112,405

Propagation of Electromagnetic Waves Along a Waveguide
Containing a Helix and Partially Filled With
Dielectric, by V. P. Shastopalov, 6 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 12,
1956, pp 2749-2754.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol I, No 12

Sci - Physics
Nov 57

55,742

Symmetrical Surface Waves in a Helix Waveguide
with a Ferrite Medium, B. M. Bulgakov, V. P.
Shestopalov, L. A. Shishkin, 18 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol V. No 11,
1960, pp 1818-1827.

PP

Sci

172,824

Oct 61

Theoretical and Experimental Studies of Helical
Dielectric Antennas, by V. P. Shestopalov, A. A.
Bulgakov, B. M. Bulgakov, 9 pp.

RUSSIAN, per, Radiotekh. Elektron, No 7, 1961.

AIEE

191,766

SCI

Unidirectional Propagation of Waves in a Helical
Waveguide placed in a Ferrite Medium, by B. M.
Dulgakov, V. P. Shestopalov, L. A. Shishkin,
I. P. Yakimenko, 10 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VI No 1,
1961, pp 81-91.

AIEE

170, 289

Sci

Oct 61

The Dispersive Properties of a Notched Waveguide
With Narrow Crosspieces, by V. P. Shestopalov,
O. A. Tret'yakov, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI, No 9,
1961, pp ~~10~~ 1104-1111.

AIP
Sov Phys-Tech Phys
Vol VI, No 9

199,055

Sci
11 Jun 62

Theory of a Modified Contrawound Helix, by
V. P. Shestopalov, S. S. Kalmykova, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXI, No 3,
1961, pp 327-335.

AIP
Soviet Phys
Vol VI, No 3

Sci

168,760

Sep 61

A Device for Measuring Frequencies, by V. M.
Shestopalov, 3 pp.

RUSSIAN, per, Izmeritel Tekh, No 6, 1960,
p 49.

ISA

Sci

Apr 61

144, 466

Theory of a Modified Spiral with Counter Winding,
by S. S. Kalaykova, V. P. Shestopalov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XXXIII, No 4,
1960, pp 813-816.

AIP
Sov Phys- Doklady
Vol V, No 4

Sci

Mar 61

141,722

Effect of Periodic Properties of the Helix in
Permittivity Measurements by the Helical
Waveguide Method, by V.P. Shestopalov, K.P. Yatsuk,
N.D. Bugai, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 4, 1960,
pp 460-463.

AIP
Sov Phys-Tekh Phys
Vol V, No 4

Sci
Dec 60

134,600

Use of Slow Surface Waves for Measuring the Dielectric
Susceptibility of a Material at Ultra-High Frequencies.
III, by V. P. Shestopalov, K. P. Yatsuk, I. P.
Yakimenko, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz., Vol XXIX, No 11, 1959,
pp 1330-1338.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 11

Sci
Jun 60

117,707

Space Resonance in a Spiral Wave Guide
Situating in a Magneto-Dielectric Medium,
by V. P. Shestopalov, B. V. Kondrat'ev,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,
No 4, 1959, pp 794-.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 2

Sci

101, 856

Dec 59

Conversion electron spectrum of neutron-deficient
lutetium isotopes in the 1000 to 3500 Kev Region,
by B. S. Dzhelepov, I. P. Uchevatkin, S. A.
Shestopalova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 7, 1960, pp 802-806.

OTT

168,928

Sci

Sep 61

Beta-Spectrometer With Two-Fold $\pi\sqrt{2}$ Focusing, by
S. A. Shestopalova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 10, 1961, pp 1302-1304.

CTT

Sci

Oct 62

216,020

New Data on the Relative Intensities of the γ -Lines
of RaC in Equilibrium With Its Decay Products, by
B. S. Dachelepov, N. N. Zhukovskiy, I. F. Uchenatkin,
S. A. Shestopalova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII,
No 7, 1958, pp 841-847.

Columbia Tech

Sci - Phys

Oct 59

99,344

51
Newt Sowings of Oak in Shelterbelts
of the Teaching and Experimental Farm
of the Kulyshev Agricultural Institute,
by G. P. Shestoporov, 10 p.
RUSSIAN, per, Agrobiologiya, No 2, (154)
1962, pp 258-267.
•CPSTI TT 66-51080

G. P. Shestoporov

Sch-Aert

Sulfone Sulfonic Acids As By-Products in Sulfonation Processes. VI. The Possibility of the Use of the Chromato-Polarographic Method for the Quantitative Determination of the Sulfonic Acids of Naphthalene and Dinaphthyl Sulfone, by A. P. Shestov, N. A. Osipova, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 6, 1961, pp 1780-1787.

CB

201,866

Sci

Jun 62

The Mechanism of Heterogeneous Catalytic Isomerization
of Hydrocarbons on Acid Catalysts. III. The
Mechanism of Racemization of Camphene on Titanic Acid
by G. A. Hudakov, N. M. Shestayeva, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 9,
Sep 1956, pp ~~XXXXXX~~ 2426-2432.

Consultants Bureau

Sci - Chemistry
Feb 58

58,935

Catalytic Transformations of Terpenes. VI.
The Catalytic Isomerization of α -Pinene Into
 β -Pinene, by G. A. Rudakov, M. M. Shestayeva,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 3,
USSR, Mar 1955, pp 627-630. CIA C 39388

Consultants Bureau

Scientific - Chemistry
CTS 74/Nov 55

27,936

Mechanism of Heterogeneous Catalytic Isomerization
of Hydrocarbons Over Acidic Catalysts. I. Mechanism
of Interaction of Pinene, Camphene, and Limonene With
Isomerization Catalysts -- Titanium Dioxide and
Activated Clay, by G. A. Rudakov, Z. S. Khomenko,
A. M. Shestayeva, 8 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 3,
USSR, Mar 1954, pp 549-557. CIA D 151317

Consultants Bureau

Scientific -- Chemistry 23,847 CTS 68/May 55

On a Stability Criterion for Creep, by S. A.
Shesterikov, 8 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXIII, No 6,
1959, pp 1101-1106.

Pergamon Press

Sci

Jul 60

120,620

Historical Dates of Russian and Soviet Aviation
and Aeronautics, by L. Shesterikov, 19 pp.

RUSSIAN, monograph, Dety Istorii Otechestvennoy
Aviatsii i Vozdukhoplavaniya, 1953, Encl to
IR-1229-56, AFOIN-1A1, 9 Mar 1956. CIA D
420420.

AF 732602 35,490

USSR
Military - Aviation
Sci - Aeronautics

Jun 1956

On the Construction of a Theory for an Ideally Plastic Body, by S. A. Shesterikov, 5 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIV, No 3, 1960, pp 412-415.

PP

Sci

REF Jun 61

157,180

R-2520

(DC-2977).

S-5298

Local Antiaircraft Defense in Rural Localities, by
M. Kornblev, Yu. Lebedeva, L. Shesterikova, 156 pp.

RUSSIAN, bk, MFVO v Sel'skoy Mestnosti, 1959,
pp 1-200.

JPRS-L-1852-D

Sci - Med, Civil Defense

Sep 59

97,733

Data on the History of National Aviation and Air
Navigation, by L. Shesterikova, 309 pp, (AF 629117).

Full tr

RUSSIAN, bk, Daty Istoriia Otechestvennoy Aviatsii
i Vozdukhoplavaniya, publ. by All-Union Voluntary
Society, Moscow, 1953, 241 pp. C/A 568347-V

ATIC F-TS-8660/V

36,173

USSR

Military

Scientific - Aeronautics

Jun 56 GTS/mg

Statics and Dynamics of Aureomycin and Terramycin
Ion Exchange With Hydrogen and Sodium Ions on
Cationites, by G. V. Samsonov, L. M. Shuvalova,
M. P. Shesterikova, S. F. Lavrentyeva, V. S.
Maslennikova, A. A. Kononova, V. V. Bokareva, 6 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 4,
Jul/Aug 1956, pp 474-489.

Consultants Bureau

Sci - Physics
Jun 1957

48,389

Physicochemical Properties of Albomycin, by G. V. Samsonov, L. V. Dmitrienko, A. G. Sirota, M. P. Shesterikova, S. F. Lavrent'eva, 4 pp.

RUSSIAN, per, Biokhim, Vol XXIII, No 2, 1958, pp 220-224.

Consultants Bureau

Sci - Chem
Jan 59

78.394

11 559

UK-30

SHESTERNIKOV S. A.

On a variational principle in the theory of creep

Izv. Akad. Nauk SSSR, Otdel. Tekhn. Nauk, No. 2, 122-123
(1957)

M. 1678. On loan - English

E u r a t o m

(FDD 25604)

Biochemical Composition of Saliva During Conditioned
and Unconditioned Feeding Reflexes, by T. P.
Shesterikova, Ye. O. Sokolova, 14 pp.

UKRAINIAN, qu per, Ukr Biokhim Zhur, Vol XXVI,
No 4, Kiev, 1954, pp 397-404.

CIA/FDD U-8025

USSR

Sci - Medicine, biochemistry

33,621

S.A. R-331/57

61-13667

Shestopal, A. O.
OBSERVATIONS OF SETTLEMENT OF EARTH AND
CONCRETE STRUCTURES (Nablyudeniya za Osadkami
Zemlyanykh i Betonnykh Sooruzhenii) tr. by G. N.
Gibson. Aug 54, 13p. Library communication no. 493;
M2172.

Order from LC mi\$2. 40, ph\$3. 30 61-13667

Trans. of Gidrotekhnicheskoye Stroitel'stvo (USSR)
1953, v. 22, no. 2, p. 6-11.

The investigations comprised observations of earth
dams and concrete structures and of seepage and the
determination of stresses in foundations and on lateral
surfaces of lock chambers.

1. Dams--Construction
2. Structures--Construction
3. Soils--Mechanical properties
1. Shestopal, A. O.
- II. LC-493
- III. DSIR LLU M. 2172
- IV. Department of Scientific and
Industrial Research
(Gt. Brit.)

Office of Technical Services

(Engineering--Civil, TT, v. 5, no. 8)

Shestopal, V. M. IN 'THE FOUNDRIES OF CZECHO-SLOVAKIA. [1961] [9]p. 1 ref. [DSIR LLU] M. 2344. Order from LC or SLA mi\$1.80, ph\$1.80 61-15480 Trans. of Liteynoye Proizvodstvo (USSR) 1959, no. 12, p. 5-7. Processes and special machines introduced in Czecho- slovakia are reviewed. (Machinery--Manufacturing, TT, v. 5, no. 12)	61-15480 1. Iron industry-- Czechoslovakia 2. Iron castings--Production 1. Shestopal, V. M. II. DSIR LLU M. 2344 Office of Technical Services
--	--

Use of Slow Surface Waves for Measuring the
Dielectric Permittivity of Materials at High
Frequencies, by I. V.P. Shestopalov and K. P.
Yatsuk, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 7,
1959, pp 819-830.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 7

Sci
Feb 60

107,303

On the $O \rightarrow O$ Transition in RaC' , by B. S. Dzhelepov,
S. A. Shestopalova, 7 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX,
No 8, 1956, pp 933-940.

Columbia Tech

Sci - Phys

53, 274

Sep 57

Observations of Settlement of Earth and Concrete
Structures, by A. O. Shestopal, 13 pp.

RUSSIAN, per, Gid i Stroi, Vol XXII, No 2, 1953,
pp 6-11.

Sci Ma Lib Tr 55/0537

24, 384

Scientific - Engineering

Jun 55 CTS

Investigation of a Retarding System with Two
Spirals Inserted in a Dielectric Medium, by
V. P. Shestopalov, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 6, 1958,
pp 1301-1315.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol XII No 6,

Sci - Phys

Feb 59

81,700

Electron Beam in a Helix Placed in a Dielectric
Medium, by V. P. Shostopalo, 14 pp.

RUSSIAN, per, Radiotekhnika i Elektronika, Vol III, No 1,
1958, pp 131-141.

Pergamon Press

Sci - Electron

Sept 59

96,799

On the Theory of a Wave Guide With Coil, Partially Filled With a Dielectric Material. (The Case of Arbitrary Dielectric Permeabilities) by V. P. Shestopalov.

Full translation.

RUSSIAN, ed per, Zhur Tekh Fiz, Vol XXII, No 3, USSR, 1952, pp. 414-425.

AEC Tr 1383

also Nova Series No 227

Scientific - Electronics, Wave Guide, Dielectric

Sep 52 CTS/DEX

A-10892

On the Regeneration of the Neurons of the In-
tramural Plexi of Mammals, by N. M. Shestopalova,
5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,
No 3, 1957, pp 90-94.

N

Consultants Bureau

Sci - Med

May 58

64,470

$\beta^+ - \beta^-$ Decay in Br^{80} , by B. S. Dzhelepov,
N. M. Antonyeva, S. A. Shestopalova, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXIV, 1949, pp 309-312.

AEC Tr 2196

Scientific - Chemistry
CTS 72/Sep 1955

26,570

). Increase of the Sulfate Resistance of Portland
Cements, by S. V. Shestoporov, P. M. Ivanov,
4 pp.

RUSSIAN, per, Tsement, No 3, 1956, pp 20-22.

Consultants Bureau

Sci - Engr

Oct 58

75,521

The Elotron - A Magnetic γ -Spectrometer With
Improved Focusing, by B. S. Dzhelepov, S. Z.
Shastopalova, 12 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Ser Fiz, Vol XX,
No 3, 1956, pp 328-342.

Columbia Tech Tr

Sci - Physics
Apr 57 CTS

46,033

Investigation of the Gamma-Spectrum of
RaC, by B. S. Dzhelepov, S. A. Shestopalova,
11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XXI, No 7, 1957, pp 990-1001.

Columbia Tech

Sci - Physics

Oct 58

75,377

The Interaction Between Light Atomic
Nuclei and Particles with Energies of
 10^{12} to 10^{13} ev, by M. L. Grigorov, M. Ya.
Shestoporov, V. A. Sobinyakov, and A. V.
Podgurskaya, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXIII, No 5 (11), 1957, pp 1099-1109.

Amer Inst of Phys
Sov Phys-JETP
Vol VI(33), No 5

Sci F- 8/Phys

67,071

(NY-2800/17).

Why Millions of Tons of Cement Are Wasted, by S.
Shestoperov,

RUSSIAN, np, Stroitel'naya Gazeta, 19 Aug 1960, p 4.

KJPRS 7034

USSR

Econ - Construction

8 Sep 60

Thermal Treatment of Concrete , by S. V.
Shestoperov, L. I. Panfilova, 11 pp.

RUSSIAN, per, Beton i Zhelchobeton, No 1,
1958, pp 19-22.

SILA 60-15377

Sci
Sep 61

169,363

The Influence of Surface-Active Additives on Cement-Water Reactions, by S. V. Shastopurov, T. Yu. Lyubimova, F. M. Ivanov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 70¹⁶(6), 1950, pp 1045-1048. (See Watford: Building Research Station.)

Building Research Library. Communication No. 559.

~~SECRET~~

SLA-E-1460

Sci Museum Lib No 51/6798 - London

A 4435

Multichannel Amplitude Analyzer with a Mechanical Commutator, by I. L. Grigorov, V. Ya. Shestoperov, V. A. Sobinyakov, 3 pp.

RUSSIAN, per, Priobory i Tekh Eksper, No 6, 1959, pp 67-79.

6

Instru Soc of Amer

Sci

Sep 60

127,424

One Possible Mode of Development of Extensive Air
Showers, by N. L. Grigorov, Ya. U. Shestoporov 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,
No 6, 1958, pp 1539-1547.

Amer Inst of Phys
Sov Phys - JETP
Vol VII (34), No 6

Sci - Phys
Jan 59

78,737

Sulfonic Acids of Sulfones as Side Products in
Sulfonation Processes. III. Behavior of Diphenyl
Sulfone and Its Sulfonic Acids Under the Action of
Sulfuric Acid, by A. P. Shestov, E. A. Osipova, 7 p

RUSSIAN, no per, Zhur (Nashch Khim, Vol XXVI, No 10,
Oct 1956, pp 2866-2871.

Consultants Bureau

Sci - Chemistry
Mar 58

60,128

Sulfonic Acids of Sulfones as Side Products in Sulfonation Processes. IV. Investigation of the Possibility of Polarographic Determination of Sulfonic Acids of 4,4'-Dimethyldiphenyl Sulfone, 4,4'-Dichlorodiphenyl Sulfone and 2,2'-Dinaphthyl Sulfone, by A. P. Shestov, N. A. Osipova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 10, 1957, pp 2790-2795.

Consultants Bureau

78,971

Sci - Chem
Jan 59

Sulfonic Acids of Sulfones as By-Products of
Sulfonation Reactions. II. The Behavior of
the Disulfonic Acid or Diphenylsulfone Under
Conditions of Alkaline Fusion of Benzene-m-
Disulfonic Acid, by A. P. Shestov, E. A.
Osipova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol LXVI, No 7,
Jul 1956, pp 2005-2008.

Consultants Bureau

Sci - Chemistry
Nov 57

55,031

Sulfonic Acids as By-Products in the
Sulfonation Processes. V. Concerning Some
Factors which Influence the Formation of
Sulfonic Acids of Sulfonams, by A. P. Shestov,
N. A. Osipova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2
1959, pp 595-599.

Consultants Bureau

Sci

112, 361

Apr 60

Sulfonic Acids of Sulfones as Secondary Products in
Sulfonation Processes. I. Formation of Diphenyl Sul-
fonic Acids in the Sulfonation of Benzene
With Oleum, A. P. Shastov, 6 pp.

RUSSIAN, no per, Zhur Obshch. Khim, Vol XXVI, No 4,
Apr 1956, pp 1219-1224.

Consultants Bureau

Sci - Chemistry
Feb 1957 CTS/dax

45,683

The Polarographic Determination of Sulfones, by E. S. Levin, A. P. Shestov, 10 pp.

thrice-
RUSSIAN, 3-~~4~~ no, per, Dok Ak Nauk SSSR, Vol XCVI, No 5, 1954, pp 999-1002.

Sci Trans Center RT-3267

Sci - Chemistry

32,047

Pressure-butt Welding of Aluminium-magnesium Alloy
Components With a Cross Section of up to 10,000
mm², by A. F. Gritsenko, A. I. Shestakov, 3 pp.

RUSSIAN, per, Svaroch Proiz, No 7, 1960, pp 30-31.

BWRA

169,996

Sci

Oct 61

The Catalytic Oxidation of Propylene to
Acrolein in the Presence of Selenium, by
B. D. Krushalov, E. S. Shostakhin, 5 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III,
No 2, 1962, pp 247-251.

CS

Sci

Jan 63

280,677

Organisation Problems of Machine Shop Tool
Maintenance Department, by A. Shestunin, 5 pp

RUSSIAN, per, Vest Mashinostroy, Vol XL, No 1,
1960, pp 78-83

PERA

Sci
Apr 61

155,168

Automatic Device for Statistical Processing
of Electrophysiological Reactions, by I. N.

Shatalov, 7 pp.

~~1964/65, per, Fiziolicheskii Zhurnal~~

~~Soviet Union I. N. Shatalov, Vol L, No 6,~~

~~1964, pp. 516-517.~~

~~JPRS 31012~~

UNCLAS

Sci-1/11

Jul 65

253,257

Transfer of Container-Unit Goods by Packets, by
E. I. Ridel', I. V. Shetfko, 41 pp. ID 2109941

RUSSIAN, bk, Perevozka Tarno-Shtuchnykh Gruzov
Paketami, 1959, pp 1-27, 49-57, 102-106.

ACSI H-5952

Sci - Engr

118,692

Jun 60

On the Article by I. I. Kurus, "Mechanics of Deflecting
Directional Holes", by Yu. S. Vasil'ev, G. A.
Shetler, 3 pp.

RUSSIAN, per, Neftyanoye Khoz (USSR), Vol XLXVI, No 4,
1958, pp 31, 32.

Assoc Tech Sr
43K26R

Sci - Engineering
Apr 59
OTU, V. I, No 5

86,183

S-5585

(NY-3271).

The Effect of Irradiation on the Course of the
Vaccinal Process Caused by the Administration
of Live Brucellosis Vaccine to Animals, by Z. V.
Ghatsov, 11 pp.

RUSSIAN, per, Med Radiolog, Vol IV, No 10,
1959, pp 46-53.

JPRS 2261

110,594

USSR

Sch1 - Med - Radiology

Mar 60

Protection of Food and Water From Contamination
by Radioactive Particle (Element), by
Polpolkovnits Varen Shev, 5 pp. UNCLASSIFIED

RUSSIAN, per, Voennoye Znaniye, No 4, 1956.

ACSI H-6508

Sci - Med
Jul 60

119.733

The Magnitude and Direction of Axial Forces
Acting on the Workpiece in the Cold-Reducing
of Tubes, by Yu. F. Shvakhin. UNCL

RUSSIAN, per, Stal (Rolling and Tube Manufacture
Supplement) 1958, pp 295-313.

British Iron and
Steel Ind 1098
(16 15s.0d.)

Sci - Engr
Apr 59

84,720

Analysis of Present Methods of Calculating the
Calibration of Rolls in Cold Tube-Rolling Mills,
by Yu. F. Shevakhin. UNCL

RUSSIAN, per, Steel, (Rolling and Tube Manufacture
Supplement), 1958, pp 259-275.

Ref M. 4322
British Iron and Steel Ind 1097
(16 5 0)

Sci - Magr
Apr 59

84,506

The Magnitude and Direction of Axial Forces
Acting on the Workpiece in the Cold Reducing
of Tubes, by Yu. F. Shevakhin. UNCL

RUSSIAN, per, Stal', (Rolling and Tube
Manufacture Supplement), 1958, pp 295-313.

British Iron and
Steel Ind 1098
(L 6 15s.0d.)

Sci - Min/Met; Engr
Apr 59

83,818

Cold Rolling of Shaped Tubes, by Yu. F.
Shevakin, A. M. Rytikov. UNCL

RUSSIAN, per, Tsvetnyy Metal, No 12,
1958, pp 70-77.

DSIR LIU (loan) M.496

Sci - Min/Mat
Sep 59

95, 865

Improved Groove Design in the Cold Reduction of
Tubes, by Shevakin.

RUSSIAN, no per, Stal, May 1957, pp 441-444.

British Rep. Stal
~~Co-op Tr Sch Tr 603~~

(£2.1.6)

Sci - Engr
Jan 58

57,732

Special Features in the Manufacture of Thin Walled Tubes
of Cold Reducing Machines, by Yu. F. Shevakin,
F. S. Seidaliyev.

RUSSIAN, per, Invest VUZ Chern Met, 1962, pp 133-139.

BISI 3257

Sci - M/M
Sept 63

345,128

A New Method for Determining Frictional Factors
When Cold Rolling Tubes, by Yu. F. Shevaldin,
A. M. Rytikov, 2 pp.

RUSSIAN, per, Tsvetnye Metally, No 10, 1960,
pp 76-78.

FS

Sci
Aug 61

162,988

The Pressure Relationships in the Cold Rolling of
Tubes, by Yu. F. Shevakin, ~~et al~~

RUSSIAN to GERMAN, per, Stal, Vol VIII, 1958,
pp 235-240.

Verein Deutscher Eisenhuettenleute
Duesseldorf
Breite Strasse 27, Germany

May 59

B7. 25

Means of Further Increasing the Output of Cold
Rolling Tube Mills, by Yu. F. Shevakin,
A. M. Rytikov, 8 pp.

RUSSIAN, per, Tsvetnye Metally, Vol II, No 4,
1961, pp 51-57.

Primary Sources

Sci
19 Jul 62

204,145

Application of Osmatrons to Analysis of
Residual Gases at Low Pressures, by
Z. M. Tarovtseva, L. D. Shevalevskiy,
6 pp.
RUSSIAN, per, Pribor, i Tekh Eksper, No 6,
1963, pp 128-133.
ISA

Sci

Aug64

264,418

(DC-4214)

The Effect of E Vibration From an Electric Drill on the Organism of Drillers at Shale Mines, by A. V. Sheval'ye, et al, 3 pp.

RUSSIAN, per, Gig Trud i Professional Zavod, No 5, 1960, pp 24-26.

JPRS 6233

Sci - Med

Nov 60

133,363

Cicatrical Xerosis of the Eye, by V. D. Shevaley,
170 pp.

RUSSIAN, Dr.

CB

Sci - Med

\$12.00

177,022

Dec 61

X-Ray Spectrographic Determination of Hafnium in
Zirconium Minerals and Concentrates, by E. E.
Vainshtein, I. D. Sheval'sky, I. F. Shtauberg,
4 pp.

b1mc

RUSSIAN, per, Zhur Anal Khim, Vol X, No 1,
USSR, Jan-Feb 1955, pp 14-19. CIA D 151314

Full translation. Consultants Bureau

Scientific - Chemistry

CTS 68/May 55

25,723

Quantitative X-Ray Spectrographic Analysis. Part I.
N.E. Vainshtein, I.D. Shevalevsky, and M.M. Kakhana,
14 pp.

Full translation.

RUSSIAN, kimo per, Zhur Anal Khim, Vol VII, No 6,
1972, pp 363-376.

Consultants Bureau

Scientific - Chemistry

Jan 54 CTB/DEX

8602

The Zr/Hf Ratio in the Kirovsk of Some Igneous
Rocks of the Northern Slope of the Kuremin Mountain
Range, by A. V. Kosturin, E. D. Shevaleevskii, 5 pp.

RUSSIAN, per, Geokhin, No 5, 1960.

OS

Sci

Aug 62

216,233